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12/1/82

WPCLMB

WU INFOMASTER 4-0232425335-001 12/01/82
ICS IPMBNGZ CSP
2174318284 DGM TDRN DANVILLE IL 253 12-01 0102P EST
TWX 9102215191 WPCLMB
EMERGENCY RESPONSE
4224 EPA EMER

TO HENRY VAN CLEVE U.S. EPA HEADQUARTERS VIA STEVE HEARE
POLREP 1
DANVILLE TRADING COMPANY, DANVILLE ILLINOIS
CONTRACT 68-95-0052

1. SITUATION

- A. CLEANUP AT SITE COMMENCED ON 11-24-82. PETROCHEM PERSONNEL DETERMINE THAT FLOOR DRAINS DID DISCHARGE INTO SANITARY SEWER LINE AND THAT HIGH CYANIDE LEVELS PRESENT IN THE WEST ROOM.
- B. LIQUID CAUSTICS PRESENT IN WEST ROOM AND CAUSTIC AND ACIDS IN WEST ROOM POTENTIAL PUBLIC HEALTH HAZARD.

2. ACTION TAKEN

- A. SANITARY SEWER LINE WAS BROKEN AND PLUGGED WITH 4" PLUG. DYE TEST CONFIRMED THAT FLOOR DRAINS INSIDE BUILDING FLOWED INTO SEWER LINE.
- B. ESTIMATED 150 GALLONS OF CAUSTIC CYANIDE SOLUTION WAS SOLIDIFIED ON SITE.
- C. DEBRIS IN CENTRAL ROOM WAS PLACED IN 55 GALLON DRUMS FOR DISPOSAL.
- D. 1 DRUM OF POWDERED ZINC CYANIDE WAS OVERPACKED AND REMOVED.
- E. OPENED BUILDING PROVIDED LIFE AND VENTILATION.
- F. STATE DETERMINED DISPOSAL PROTOCOL AND MONITORED ACTIVITIES.
- G. EVACUATED 4 RESIDENCES DURING INITIAL SOLIDIFICATION ACTIVITIES AND MONITOR FOR CYANIDE RELEASE (NONE PRESENT).
- H. 24 HOUR SITE SECURITY WAS PROVIDED BY LOCAL AUXILLARY POLICE DEPARTMENT.
- I. LOCAL SEWER DEPARTMENT PREPARED WATER MAIN AND TRANSPORTED DECONTAMINATION WATER TO SITE.

3. FUTURE PLANTS

- A. COMPLETE REMOVAL OF SOLIDS AND DECONTAMINATE WEST ROOM 11/30/82
 - B. COMMENCE SOLIDIFICATION OF CAUSTIC CYANIDE SOLUTIONS IN EAST ROOM.
 - C. DETERMINE DISPOSAL OPTIONS FOR ACIDS IN EAST ROOM.
 - D. COMPLETE ANALYSIS OF LIQUID AND SEDIMENT SAMPLES FOR POSSIBLE DISPOSAL OPTIONS.
 - E. MONITORING WILL CONTINUE THROUGH 12/3/82.
 - F. FUNDS OBLIGATED AS OF 11/1/82 6:00 PM ARE \$19,000.
- WILLIAM W SIMES OSC

1307 EST

WPCLMB

1. OSC WILLIAM W SIMES, SRS, REGION 5 312-353-2093 312-353-2318
312-849-5125 (RESIDENCE) SITE DANVILLE PLATING COMPANY
307 EAST FAIRCHILD DANVILLE ILLINOIS 61832

19840 PIR
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2. FACILITY CONSISTS OF BUILDING 20 FEET BY 50 FEET WITH 3 MAIN ROOMS. WINDOWS AND DOORS ARE BOARDED UP AND THE ROOF IS IN POOR CONDITION. BUILDING CONTAINS ACID AND CAUSTIC VATS USED IN PLATING OPERATIONS. HYDROCYANIDE READINGS BETWEEN 2-20 PPM ABOVE VATS AND FLOOR. 20 DRUMS IN GOOD CONDITION ARE LOCATED OUTSIDE BUILDING.
- B. TOPOGRAPHY FLAT, SLOPING AWAY FROM SITE
- C. URBAN AREA-RESIDENTIAL NEIGHBORHOOD HIGH SCHOOL 100 YARDS SOUTHWEST, HOUSES TEN FEET EAST AND 75 FEET NORTH.
- D. VATS IN POOR CONDITION SEVERAL HAVE RUSTED THROUGH
- E. NEAREST WATER VERMILLION RIVER
- F. POSSIBLE SEDIMENT CONTAMINATION DUE TO DETERIORATED CONCRETE FLOOR
3. A PLATING OPERATION MAINLY CHROME
- B. CLOSED FOR FIVE YEARS SCHOOL BOARD BOUGHT PROPERTY ON JULY 16 1982 WITH VERBAL AGREEMENT WITH FORMER OWNER TO CLEAN UP. FORMER OWNER ROBERT VENETTA. VENETTA HAS NOT CLEANED UP
- C. MATERIALS-HCN, ACID, CAUSTIC WASTES WITH POSSIBLE HIGH METAL CONTENT.
- D. AUGUST 9TH CITIZEN COMPLAINT RECEIVED BY ILLINOIS EMERGENCY ASSISTANCE AND DISASTER AGENCY ESDA CONTACTED RESPONSIBLE PARTIES AND MR VENETTA SAID HE WOULD CLEAN UP. ESDA CONTACTED IEPA AND U.S. EPA TO MAKE A HAZARDOUS EVALUATION ON NOVEMBER 17TH SURVEY CONDUCTED 11-19 IEPA AND U.S.EPA OSC'S CONTACTED RESPONSIBLE PARTIES. SCHOOL BOARD AND MR VENETTA, NEGOTIATIONS CONTINUED THROUGH NOVEMBER 24 1982, WHEN NOTICE WAS GIVEN TO BOTH PARTIES. SCHOOL CLAIMS NO RESPONSIBILITY AND MR VENETTA NOT FINANCIALLY CAPABLE OF CLEANING UP SITE. PROJECT CEILING \$50,000 ON REGIONAL ADMINISTRATOR'S APPROVAL.

4. THREAT TO PUBLIC HEALTH DUE TO POSSIBLE HCN EXPOSURE IF ACIDS AND CAUSTIC CYANIDE MIX POSSIBLE VIOLENT REACTION.

5. RECOMMENDED ACTION

- A. SAMPLE FOR ANALYSIS OF VATS AND DRUMS FOR CYANIDE CONTENT, COMPATIBILITY, HEAVY METALS.
- B. REMOVE CAUSTIC CYANIDE WASTE.
- C. NEUTRALIZE ACIDS
- D. SECURE DRUMS, REPACK IF NECESSARY
- E. AIR MONITOR BY IEPA
- F. STABILIZE MATERIALS ON SITE IF NECESSARY
- G. STORE AND REMOVE TO APPROVED FACILITY
- H. COSTS

SET-UP \$4000

ANALYSIS \$8000

COST PER DAY \$6000 5 DAYS

DISPOSAL \$4000

BREAKDOWN ON SITE \$4000

TOTAL \$50,000

6. LIMIT FEDERAL ACTION BY REMOVAL OF ACIDS WHICH WOULD ELIMINATE POSSIBLE VIOLENT REACTION AND PROVIDE SITE SECURITY. COULD COST MORE IN LONG RUN.
7. RESPONSIBLE PARTIES-SCHOOL BOARD SAYS NOT RESPONSIBLE. MR VENETTA NOT FINANCIALLY ABLE TO CLEAN UP.
8. SITE STATUS NO FURTHER ACTION PLANNED. NO MITRE RANKING
9. TIME FRAME 5 WORKING DAYS STARTING NOVEMBER 25TH 1982 (STABILIZE CAUSTIC CYANIDE AREA AND WAIT FOR ANALYSIS TO BEGIN REMOVAL).
10. STATE OSC AGREES WITH PUBLIC HEALTH THREAT. STATE FUNDS NOT AVAILABLE (TOO EXPENSIVE TO CLEAN UP ACTION TO BE MADE IN EMERGENCY TIME FRAME)
11. ANY OF SEVERAL CLEAN UP CONTRACTORS ARE CAPABLE OF PROVIDING THESE SERVICES.
12. PROJECT OFFICER HAS U.S.EPA AND TAT TRAINING COURSES, INCLUDING PERSONAL SAFETY, EDISON COURSES, COMMUNITY RELATIONS, SITE SAFETY MONITORING AND OTHER GENERAL RELATED TRAINING. OSC HAS NOT SPENT FEDERAL FUNDS FOR EMERGENCY ACTION BEFORE.